

Notice of Allowability

Application No.

10/712,156

Examiner

YASIN M. BARQADLE

Applicant(s)

BOZAK ET AL.

Art Unit

2456

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/08/2009.
2. ☒ The allowed claim(s) is/are 1,3-8,19 and 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Examiner's Amendment

1. An examiner's amendment to the record is attached. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Erin M. File (Reg. 61,332) on July 1, 2009.

3. In the claims:

- Cancel claims 9-18 and 23-24
- Please amend claims 1,19 and 21 as attached.

1. (Currently Amended) A method of grid computing, the method comprising:

sending a request for data describing an application process in a grid computing environment, wherein the data identifies the application process and computational processing requirements of the application process; wherein the computational processing requirements comprise a definition of a resource required by the application process and the degree of consumption of the resource by the application process;

receiving the data ~~describing~~ identifying the application process and computational processing requirements of the application process in the grid computing environment;

receiving one or more lists of available computing resources from a plurality of computer devices in the grid computing environment;

receiving, from the application process, a document specifying a communication protocol and a communication channel;

Art Unit: 2456

reading the document;

accessing properties information reflecting addresses of the computer devices;

determining whether the communication channel requires communication with at least one of the computer devices;

instantiating, based on the list of available computing resources for the required computer devices, the communication channel with the application process using the communication protocol; and

communicating with the application process using the communication protocol through the communication channel.

19. (Currently Amended) A ~~computer~~ node-readable medium storage device that stores a set of instructions which, when executed, performs a method of grid computing, the method comprising:

sending a request for data describing an application process in a grid computing environment, wherein the data identifies the application process and computational processing requirements of the application process; wherein the computational processing requirements comprise a definition of a resource required by the application process and the degree of consumption of the resource by the application process;

receiving the data ~~describing~~ identifying the application process and computational processing requirements of the application process in the grid computing environment;

receiving one or more lists of available computing resources from a plurality of computer devices in the grid computing environment;

receiving, from the application process, a document specifying a communication protocol and a communication channel;

reading the document;

accessing properties information reflecting addresses of the computer devices;

determining whether the communication channel requires communication with at least one of the computer devices;

instantiating, based on the list of available computing resources for the required computer devices, the communication channel with the application process using the communication protocol; and

communicating with the application process using the communication protocol through the communication channel.

Art Unit: 2456

21. (Currently Amended) A system, comprising:

a memory; and

a processor, wherein the processor and the memory:

send a request for data describing an application process in a grid computing environment, wherein the data identifies the application process and computational processing requirements of the application process; wherein the computational processing requirements comprise a definition of a resource required by the application process and the degree of consumption of the resource by the application process;

receive the data ~~describing~~ identifying the application process and computational processing requirements of the application process in the grid computing environment;

receive one or more lists of available computing resources from a plurality of computer devices in the grid computing environment;

receive, from the application process, a document specifying a communication protocol and a communication channel;

read the document;

access properties information reflecting addresses of the computer devices;

determine whether the communication channel requires communication with at least one of the computer devices;

instantiate, based on the list of available computing resources for the required computer devices, the communication channel with the application process using the communication protocol; and

communicate with the application process using the communication protocol through the communication channel.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin Barqadle whose telephone

Art Unit: 2456

number is 571-272-3947. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571-272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Yasin M Barqadle/
Primary Examiner, Art Unit 2456

Application/Control Number: 10/712,156

Page 6

Art Unit: 2456